



Installation Instructions

Thank you for purchasing this anti-sway bar kit. Please read through these instructions before installation.

Front Anti-Sway Bar Kit for the Navistar Terrastar

part # 1179-124
1½" diameter



INTRODUCTION

Thank you for purchasing this front anti-sway bar kit. This kit is designed to improve the handling characteristics of your Navistar by reducing the body roll and balancing the weight transfer during cornering. The anti-sway bar kit is engineered for long life and trouble-free performance. For maximum suspension control, use this kit along with our rear anti-sway bar kit. All the hardware needed for installation is included in this kit. Refer to the PARTS LIST in these instructions to identify the parts.

SUGGESTED TOOLS

The following tools are suggested to complete the installation procedures:

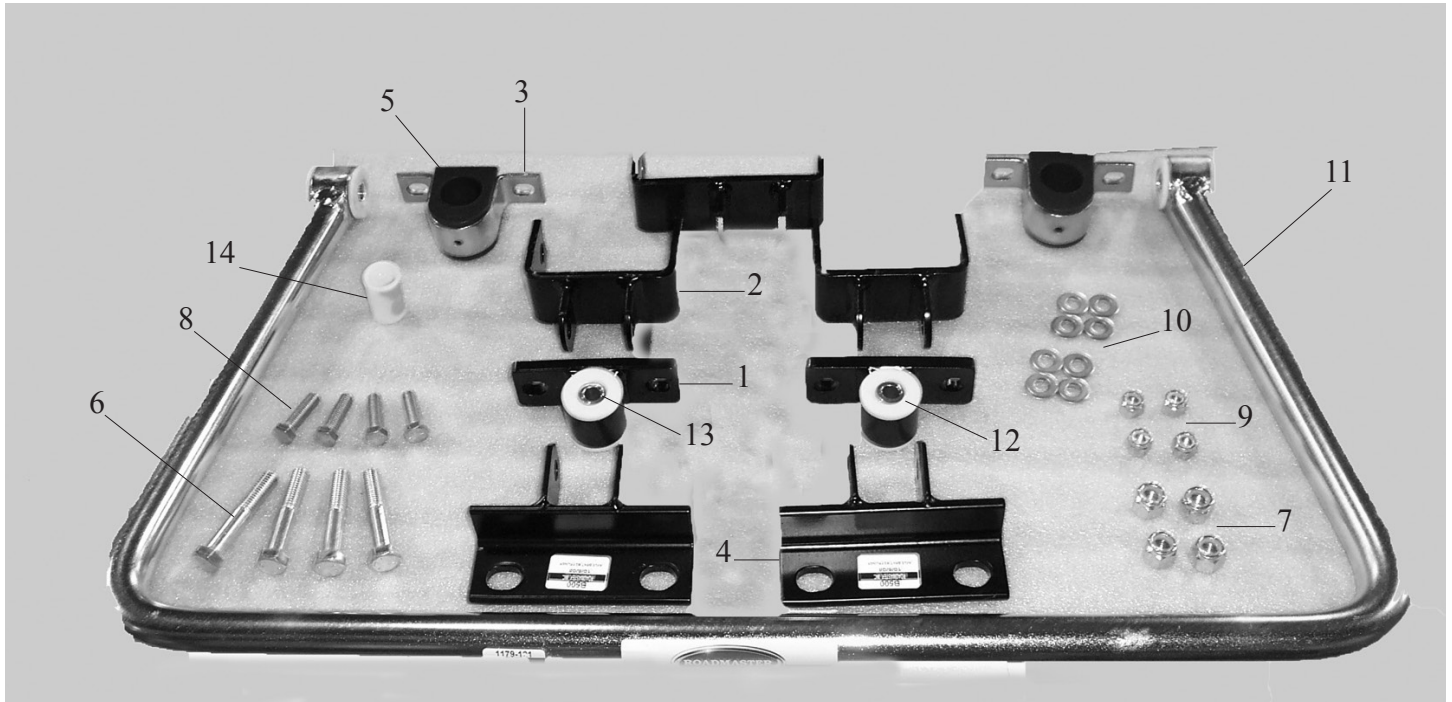
- General hand tools
- Jack stand
- Pry bar
- Torque wrench
- 5 ton jacks

⚠ WARNING

Failure to follow these instructions can result in property damage, personal injury or even death.

- If raising the vehicle to install the anti-sway bar, always support the vehicle with jack stands at both frame rails or at the rear axle before working underneath. Ensure that the jack stands are securely positioned, and are rated at or above the weight of the vehicle.
- The installer must read the instructions and use all bolts and parts supplied. Use only the parts supplied by ROADMASTER to install this kit.
- Minor modifications are sometimes necessary due to slight vehicle variations, even for the same year, make and model.
- Regardless of year, make and model, a wide range of options for specific applications may or may not interfere with the installation. It is the installer's responsibility to make certain that equipment is not damaged once the suspension solution travels through the full range of motion. Failure to ensure adequate clearance could result in non-warranty property damage, personal injury or even death.
- If running changes were made by the manufacturer after this kit was designed, there may be weldments, braces, gussets, or other structural items which interfere with the installation. It is the installer's responsibility to allow for these running changes without sacrificing the structural integrity of the anti-sway bar. Failure to securely fasten the anti-sway bar could result in property damage, personal injury or even death.
- ROADMASTER will not be responsible for any damage or injury resulting from any modification or alteration.
- Check ALL the fasteners for tightness before and after road testing the vehicle.
- Do not use this document for custom fabrication, as it may not show all parts or structural components.
- Do not use an air impact wrench when re-installing bolts, as stripped threads may result.
- This anti-sway bar is only warranted for the original installation. Installing a used anti-sway bar on another vehicle is not recommended and will void the warranty.

PARTS LIST



Part #1179-124

Part #	Description	Qty
1	B740 Bracket	2
2	B661 Bracket	2
3	B141 Bushing Clamp	2
4	B500 Axle Bracket	2
5	205222-10 Bushing	2
6	350163-00 5/8" x 3 1/2" Capscrew	4
7	350263-00 5/8" NC Nylon Ins Ln Zp	4

* not pictured

Part #	Description	Qty
8	350096-80 1/2" x 1 3/4" NC GD8 Zn	4
9	350259-00 1/2" Nylon Ins Ln Zp	4
10	350308-20 1/2" Flat washer	16
11	580330-00 Anti-sway bar	1
12	205209-00 Bushing	8
13	205503-00 Metal Sleeve	4
14	400011-30 Aqualube	1
15*	350193-00 3/4" x 7 1/2" Capscrew	2
16*	350267-00 3/4" Locknut	2

INSTALLATION

The following instructions must be followed in the order listed to ensure a proper installation and to preserve the ROADMASTER warranty.

1. Support the front end with jack stands.

Note: you MUST unload the front suspension before you begin this installation.

2. Remove the bolt attaching the front end of the leaf spring and install the shackle hangar to the leaf spring mount bracket B661 on each side (Figure 1).

Note: make certain that the bracket is 90 degrees to the frame or ground. Torque to the factory torque specs, which is approximately 450 ft.lbs.

3. Bolt the bushing clamp mount to the shackle hangar.

Hang the axle brackets, and remove the nut from the U-bolts on the front side of the front axle on each side. Place the B500 bracket on each side and finger tighten it only at this time. Note: depending on manufacturing variances, you might need the B740 bracket instead.

4. Install the split bushings on the anti-sway bar.

Lubricate the center hole of the split bushings with the grease provided. Install the bushings over the anti-sway bar near the arms. Install the saddle brackets over the bushings (Figure 2).

5. Place the anti-sway bar through the axle brackets (Figure 3).

Note: make certain that the bar and brackets are not rubbing the transmission cooler line. Tighten all bolts, and test drive the vehicle. Listen for any unusual noises, and make certain all the fasteners are tight.

Figure 1

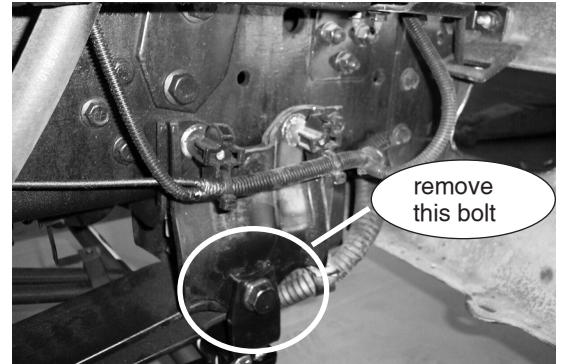


Figure 2

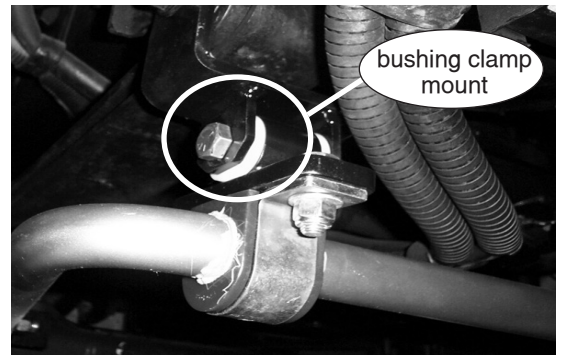


Figure 3



BOLT TORQUE REQUIREMENTS

STANDARD BOLTS			U-BOLTS	
Thread	Grade	Torque	Thread	Torque
3/8	5	30 lb-ft	3/8-24	35 lb-ft
7/16	5	50 lb-ft	1/2-20	70 lb-ft
1/2	5	75 lb-ft	5/8-18	140 lb-ft
5/8	5	140 lb-ft	3/4-16	250 lb-ft
			7/8-14	400 lb-ft

Note: Endlink bolts use grommets and should NOT be torqued. Tighten these bolts by hand until the grommet starts to deform. Also, these torque values are intended as general guidelines. Roadmaster does not warrant this information to be accurate for all applications and disclaims all liability for any claims or damages which may result from its use.

INSTALLATION

The following instructions must be followed in the order listed to ensure a proper installation and to preserve the ROADMASTER warranty.

WARNING

After road testing, re-check all fasteners for proper tightness — if a fastener has worked loose or fallen off, re-tighten or replace it. Without all kit components properly tightened or in place, the anti-sway bar will not stabilize the vehicle at full capacity, which may cause reduced cornering ability or other reductions in vehicle handling or performance.

Failure to follow these instructions may result in property damage, personal injury or even death.

WARNING

The anti-sway bar is not a load-bearing component

Do not tow or hoist the vehicle using the anti-sway bar or its mounting brackets as attachment points. The anti-sway bar is not designed to carry the weight of the vehicle and may collapse, which will damage the anti-sway bar components, the suspension, or other components. The vehicle will detach or fall, which may cause severe personal injury.

Failure to follow these instructions may result in property damage, personal injury or even death.